Laptop Buying and Renting System

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Abstract: The online laptop buying and renting site is designed & developed for a laptop buying and renting for students and shop owner to sell laptop, manage their records of selling and purchasing of the laptop parts from the dealers and sell them to the customers. This system make the work of the laptop shopkeepers easy as it keep all the records of the laptop product and also keep the records of the product that is sold to the customers. This system first check the availability of the laptop parts and their quantity then enter the record to the record table after deducting number of the laptop parts from the quantity and then print the invoice after adding all the discounts and VAT% and save the record for future use if needed. It also print the reports in a tabular form as well as according to the search of a particular computer product available at that time ,if product is less than it provide the facility to modify the product by adding more. It automates the Systems records, their Selling and Maintenance, Balance evaluation, due to calculation other functions. We are also provided help button for any issue related to laptop. Also this website will provide an option of laptop repair if buyer buys laptop after that he faces any issue he /she can raise an issue by clicking on help button. We are preparing the project by using java. Because we have knowledge of java and Html, CSS, JS. We have previously worked on it so this time this is easy for us to use this technology. Online laptop renting is very new type we have seen online laptop selling websites we have never seen online laptop renting website with such a cheaper rate. It works on windows and appears version window. It is user friendly all information is available in English language so it will be easy to understand for students, so there for any user can use this project easily. This project handles all the information related to online laptop renting, selling, buying etc and this website is very secure to use.
Key Word: Laptop, Buying, Renting, Selling, Online System, One can Buy, Rent and Sell In single site, 3 in 1 system.

I. INTRODUCTION

Our project Laptop Buying and Renting System which main goal is to one can sale, purchase and give laptop on rent in one System. That will be very useful to gain business goals. Basic computer skills and practice of theoretical skills on Personal computer has become a new need for almost every student and employees regardless of their relevance with IT industry. Although desktops and laptops may show equal performances, a report showed that people prefer laptops over desktops and tablets owing to high demand of laptops which in turn took a change on its prices. gigabytekingdom.com states that the average cost a new laptop would be 600$ to 700$ which is nearly 40000 to 50000 INR.

Not every person need a same configured laptop and not every person need the same software in a laptop so net centers cannot gear up to the customer needs. The present system of rental provides a person a laptop chosen with basic software, but now the expectations have crossed that bar. People find it useful to rent a laptop on demand and with pre installed required software without having to waste their time. The problem is that there is no such platform to cater the needs of the demand. Considering all problems together and putting the solutions to them in one platform gives our project "Laptop Buying and Renting Website". Through this user can select the laptop of his desired configuration and choose one with his required pre installed software to be delivered at his place and date of his convenience. The users after sign up can put their laptop for rent or rent one. The existing system does not provide all facilities in one app and that becomes very time consuming and also that are very expensive if a student want to buy laptop online then first he has to buy a monthly subscription and after that he can take that laptop on rent with lots of restrictions of using software etc and because of this it becomes more expensive and complex to use.

The proposed system is completely computerized. It is very helpful for college students not days buying a dream laptop becomes too expensive and all students cannot afford this so this is the project for those students who can buy laptop or rent laptop at cheaper cost.

II. NECESSITY

Not every student afford laptop so to support them we are proving laptop renting website where student can easily take laptop on rent. So this is project for students who are not able to purchase laptop because of their financial condition so by this

website they can take laptop on rent for particular time. This website will help students without spending money on buying laptop they can rent it and save their money as well as they are able to complete their work And also we are proving laptop buying selling renting repair in one website that is very easy for user to check whether they can buy laptop or take it on rent. Also for that students who have laptop but that is not that much useful for them so they can give that laptop on rent and earn some money.

- Our project is mainly focused on students who are not able to buy laptop because of their financial condition by using our project they can easily rent laptop with affordable price.
- Our main goal is not to make money our main goal is to support student.
- Our project has help button also if renter faces any issues related to laptop or any accessories then he can raise issue by help button.
- Also we are providing repair laptop option in this any user or owner of laptop can request for laptop repairing.

III. RESEARCH OBJECTIVES

- We have done research that many website are there but they are not providing all facility in one website so we have developed all in one website as buying , selling, renting, repair ,help etc,
- The next and also an important feature is that it reduces man power that makes the job very easy and it is very easy to use.
- The computerization deals to the accuracy which avoids certain errors and miss place of the records etc
- This study main objective is to focus on solving societal problems. The objective of this initiative is to understand the problems and struggles faced by the rural people and poor literates in obtaining computer services.
- To establish a system of laptop rental services available to each and every person.
- To find a simple way in providing an efficient method of renting laptop.

IV. LITERATURE SURVEY

Firstly we have studied the laptop buying website and we have also referred various booklet and also various website and implemented our some own ideas.

Existing system :

The existing system does not provide all facilities in one app and that becomes very time consuming and also that are very expensive if a student want to buy laptop online then first he has to buy a monthly subscription and after that he can take that laptop on rent with lots of restrictions of using software etc and because of this it becomes more expensive and complex to use

Drawbacks of existing system:

- Time consuming
- Expensive
- Maintainance of laptop
- Complex

Proposed system:

The proposed system is completely computerized. It is very helpful for college students not days buying a dream laptop becomes too expensive and all students cannot afford this so we are developing this website for those students who can buy laptop or rent laptop at cheaper cost from our website advantages of proposed system are :

- Cheaper
- Accuracy
- All in one website
- Speed
- Easy to use

V. IMPLEMENTATION

Hardware resource requirements:
The minimum hardware topology for a small dataset scenario is a single-server deployment that contains the following three tiers:
- SQL Server

- Application server
- Front-end web server

The minimum recommended hardware requirements for the servers in this dataset are as follows:
- Laptop
- Keyboard
- Mouse

Software resource requirements:
The minimum required resources are as follows:
- Operating system
- JSP
- My sql server
- Local host

VI.SYSTEM WORKFLOW

It describes how our system will be run or perform different module operations. Following is a diagrammatically description which shows the how our system will work or simply user side workflow of our system:
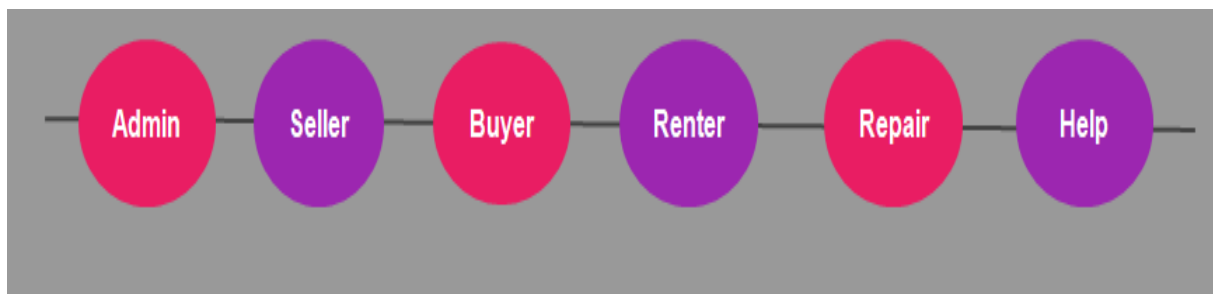

Fig. 1. System Workflow

Admin :
In this module admin can have an overview of all the modules.
- He can check all the modules such that who wants to send the laptops who is interested in buying or taking laptop on rent
- He can check whether there are malpractices processes while doing the payment. Can check the help module to solve the queries of the user.
- There will be 5 sections in admin module:
  ➢ Home:
  ➢ Laptops Added: Can check how many laptops are added.
  ➢ Laptops Required: Can check how many users have placed request for buying or taking laptop on rent.
  ➢ Time Out: This will be for checking when will be the time out means when will the time expire for taking laptops on rent.
  ➢ Queries: Can check the queries posted by the user to solve them

Seller :
- In this user (i.e. seller) can login in the website and can give the laptop on rent or sell the laptop.
- First we have to click on the ADD LAPTOP button. Then he needs to enter the details of the laptop. E.g. laptop name, specifications, username, details, ID, documents, price, etc.
- Then click on Submit or Cancel. Then if submitted will get notification that laptop details are added.

Buyer :
- In this module user (i.e. buyer) can login in the website and buy the laptop and have to do the required payment.(even if he requires any accessories can request for it)
- We can search for the required laptop by entering the specifications with accessories or without accessories.
- After searching the list will be displayed and then he can check the laptop which ever required then click on Buy button.
- Then he has to enter the required details and for buying it have to do the required payment.
- Once the payment is done the receipt will be generated.

Renter :
- In this model user (i.e. Renter) can login in the website and request for the laptop on rent and have to do the required payment.
- User can search for the laptop by entering the specifications with accessories or without accessories.
- After searching the list will be displayed and in can check the laptop which were required then have to click on Take on Rent button.
- Then user has to agree the terms and conditions and enter the required details and have to do the payments.
- Once the payment is done the receipt will be generated.

Repair :
- In this model user (i.e. Repair) can login in the website.
- User can request for repair by using this module.
- First users have to login and after that click on repair button.
- Then users have to fill all data correctly including problem for repair and then submit.

Help :

This module can be used by the users. The user can post there issues during buying, selling or renting the laptop or if the laptop is not working properly or any other issues related to the laptop.
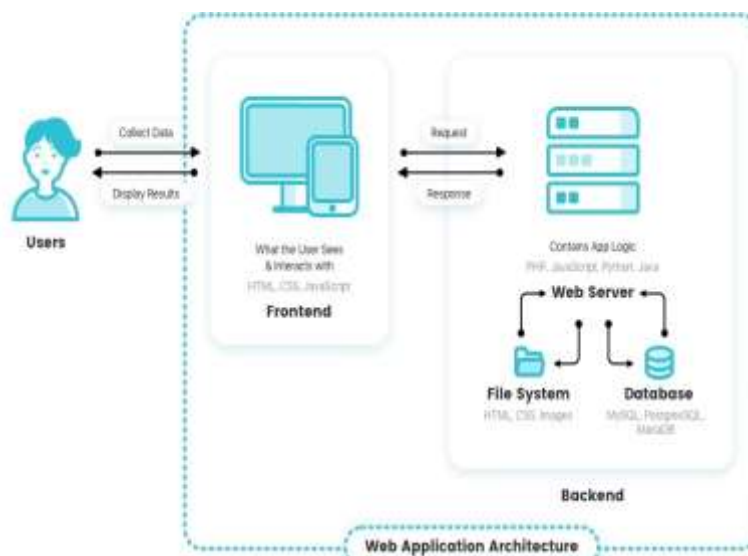
VII. PROPOSED SYSTEM ARCHITECTURE :

Fig. 2. Proposed System Architecture Diagram

VIII. CONCLUSION

This document proposes a way of renting laptops online called efficient Laptop Buying and Renting system. Our project "Laptop Buying and Renting System" is designed & developed for a laptop buying and renting for students and shop owner to sell laptop, manage their records of selling and purchasing of the laptop parts from the dealers and sell them to the customers. The Website also provides users a way to buy and rent a laptop at a reasonable price and convenient place with customized software requirements unlike the traditional system of approaching a net centre at inflexible time and limited hardware and software resources.

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